

500.43 Inspection Documentation

D. NRCS Minnesota shall inspect dams which were designed and/or constructed by NRCS in accordance with the Operation and Maintenance (O&M) Agreement prepared for the project. The information gathered during inspection shall be submitted to the State Conservation Engineer on either form MN-PDM-001A (single structure) or -001B (multiple structure) with attachments. The attachments shall include a minimum of four digital photographs of the following:

1. upstream face,
2. downstream face,
3. auxiliary or emergency spillway, and
4. principal spillway.

If the local sponsor has signed the blank on the inspection form agreeing that the data can be released to MN-Department of Natural Resources (DNR), a copy shall be sent to the MN-DNR, Division of Dam Safety by the State Conservation Engineer.

NRCS shall inform MN-DNR by March 1 of each calendar year which dams will have a formal inspection lead by an engineer. The MN-DNR may send a representative along on selected inspections.

See MN-PDM-001A and MN-PDM-001B for sample inspection documentation.

MAINTENANCE INSPECTION SHEET
FLOODWATER RETARDING & MULTIPLE-PURPOSE STRUCTURES
Single Structure

PROJECT:

DATE OF INSPECTION:

COUNTY:

1. Principal Spillway: a. Damage to outlet or riser, b. Obstructions, logs, brush, trash, etc.
c. Seepage, d. Separation of joints (observation), e. Cracks or breaks, and f. Differential Settlement (Observation).

2. Emergency Spillways (both inlet and outlet channels): a. Inadequate vegetation, b. Banks – rills and gullies, c. Channel erosion, d. Obstructions, weeds, brush, logs, etc., and e. Excessive deposition.

3. Embankments: a. Settlement or cracking, b. Erosion, c. Leakage or seepage, d. Damaged by wildlife, livestock, etc., e. Inadequate vegetation, f. Excessive vegetation, weeds, brush, etc.

4. Impoundment Area: a. Excessive sedimentation, and b. Debris.

5. Fences and Gates: a. Loose or damaged posts, b. Loose or broken wires, and c. Debris accumulation.

6. Damaged Sod Chutes:

7. Damaged Riprap:

8. Drainage System:

9. Borrow Areas (condition of vegetation):

10. Other (specify):

Members of inspection team:

Remarks:

Maintenance needed: (summarize by structure); include approximate cost.

The maintenance items above will be completed by (who and when):

What is the current hazard class of this dam?

Has any development occurred or is planned that may change the hazard class now or in the next 5 years?

Name of Representative of Local Contracting Organization:

Name of Representative of the Soil and Water Conservation District:

Name of Representative of NRCS:

(On the original paper copy, these three individuals should sign their names after their agency.) File original paper copy in local records. Send electronic copy to State Conservation Engineer as soon after the inspection is complete as possible.

I hereby give permission for the NRCS to release a copy of this inspection report to the Minnesota Department of Natural Resources, Dam Safety.

Signature of Representative of Local Contracting Organization

Date

MAINTENANCE INSPECTION SHEET
FLOODWATER RETARDING & MULTIPLE-PURPOSE STRUCTURES
 Multiple Structures

PROJECT:

DATE OF INSPECTION:

COUNTY:

For each item in the table below, indicate the degree of damage: **M**=minor, **C**=critical, **NA**=not applicable, **None**=none. At the top of each column, indicate the site being evaluated. For example, in a watershed with three structures, three columns may be labeled for use with the structures inspected (KR-6, J-14 and C-5) and the remainder left blank.

Item	(SITE)	(SITE)	(SITE)	(SITE)	(SITE)	(SITE)	(SITE)
1. Principal spillway							
a. Damage to outlet or riser							
b. Obstructions, logs, brush, trash, etc.							
c. Seepage							
d. Separation of joints (observation)							
e. Cracks or breaks							
f. Differential Settlement (Observation)							
2. Emergency Spillways (both inlet and outlet channels)							
a. Inadequate vegetation							
b. Banks – rills and gullies							
c. Channel erosion							
d. Obstructions, weeds, brush, logs, etc.							
e. Excessive deposition							

Item	(SITE)	(SITE)	(SITE)	(SITE)	(SITE)	(SITE)	(SITE)
3. Embankments							
a. Settlement or cracking							
b. Erosion							
c. Leakage or seepage							
d. Damaged by wildlife, livestock, etc.							
e. Inadequate vegetation							
f. Excessive vegetation, weeds, brush, etc.							
4. Impoundment Area							
a. Excessive sedimentation							
b. Debris							
5. Fences and Gates							
a. Loose or damaged posts							
b. Loose or broken wires							
c. Debris accumulation							
6. Damaged Sod Chutes							
7. Damaged Riprap							
8. Drainage System							
9. Borrow Areas (condition of vegetation)							
10. Other (specify)							

Members of inspection team:

Remarks:

Maintenance needed: (summarize by structure); include approximate cost.

The maintenance items above will be completed by (who and when):

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Date